

# **South River Watershed (HUC10 #0307010301) TMDL Implementation Plan**

## **Narrative**

### **Rockdale, DeKalb, Clayton, and Henry Counties and the City of Atlanta**

Total Maximum Daily Load (TMDL) Implementation Plans are platforms for establishing a course of actions to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies.

The South River Watershed (HUC10 #0307010301) is located in the upper portion of the Ocmulgee River Basin in the metro Atlanta area. The local governments with interest in the Section 305(b) / Section 303(d) listed stream segments in this HUC10 watershed include: Rockdale, DeKalb, Clayton, and Henry Counties, and the cities of Atlanta, Forest Park, Hapeville, East Point, Decatur, Avondale Estates, Pine Lake, Clarkston, Stone Mountain, and Lithonia. The stream segments identified on Georgia Environmental Protection Division's 303(d) list in the South River HUC10 Watershed include: Cobbs Creek, Conley Creek, Doless Creek, Dolittle Creek, Intrenchment Creek, McClain Branch, Honey Creek, North Branch South River, Shoal Creek, Snapfinger Creek, South River (Atlanta to Flakes Mill Road), South River (Flakes Mill Road to Pole Bridge Creek), South River (Pole Bridge Creek to Hwy 20), and Sugar Creek. The 303 (d) listed stream segment of Cobbs Creek is located in DeKalb County with a small portion of the segment located in the city of Avondale Estates. The Conley Creek segment begins in the city of Forest Park in Clayton County and then flows into DeKalb County before reaching the South River. The Doless Creek stream segment is located entirely in unincorporated DeKalb County. The Dolittle Creek stream segment is located almost entirely in unincorporated DeKalb County with a small portion of the creek flowing through the City of Atlanta. Intrenchment Creek begins in the City of Atlanta before flowing into DeKalb County. The McClain Branch stream segment is located entirely in Rockdale County. Honey Creek begins in DeKalb County and flows through Rockdale County before reaching the South River. The North Branch South River stream segment is located entirely within the city limits of Atlanta. The Shoal Creek stream segment begins in the city of Decatur and then flows through unincorporated DeKalb County before reaching the South River. Snapfinger Creek is located almost entirely in unincorporated DeKalb County but also flows through the City of Pine Lake for a short distance. The South River (Atlanta to Flakes Mill Rd) stream segment begins in the City of East Point, and then flows through the City of Atlanta before ending in DeKalb County. The South River (Flakes Mill Rd to Pole Bridge Creek) stream segment is located in DeKalb County with the lower portion of the stream segment flowing along the Rockdale / DeKalb County boundary. The South River (Pole Bridge Creek to Hwy 20) stream segment begins along the DeKalb / Rockdale County boundary then flows through Rockdale County before ending along the Rockdale / Henry County boundary. The Sugar Creek stream segment begins in the City of Atlanta and then flows into DeKalb County before reaching the South River.

All fourteen stream segments are listed for not meeting water quality standards for fecal coliform. Fecal Coliform bacteria are bacteria found in the intestinal tract of humans and

animals. Its presence in streams, rivers, and lakes is an indicator of possible harmful pathogens. Data from USGS Monitoring Stations were used to develop the TMDL for each segment. The only exception to this is Doless Creek, which is also listed for not meeting water quality standards for Dissolved Oxygen (DO). The GA Environmental Protection Division has developed the implementation plan for the Doless Creek DO violation. For information on this DO violation please contact Mary Gazaway at (404) 675-1745.

For each waterbody on the 303(d) list, the U.S. Clean Water Act requires a TMDL be developed for each pollutant. A TMDL is a calculation of the maximum amount of a pollutant, from both point and non-point sources that a waterbody can receive and still meet water quality standards. The U.S. EPA developed a TMDL for these stream segments in February 2002 that shows a reduction in fecal coliform levels is needed. The required reductions in Fecal Coliform loads are as follows: 93% for Cobbs Creek, 66.6% for Conley Creek, 94.6% for Doless Creek, 89.9% for Dolittle Creek, 99.9% for Intrenchment Creek, 90.6% for McClain Branch, 76.1% for Honey Creek, 99.6% for North Branch South River, 97% for Shoal Creek, 81.4% for Snapfinger Creek, 25% for South River (Atlanta to Flakes Mill Rd), 25% for South River (Flakes Mill Rd to Pole Bridge Creek), 50% for South River (Pole Bridge Creek to Hwy 20), and 93.4% for Sugar Creek.

Staff from the DeKalb County Public Works, Clayton County Water Authority, Henry County Planning & Zoning, Rockdale County Water Resources and the City of Atlanta's Department of Watershed Management helped to identify the potential sources of pollution in these segment watersheds. The following potential pollution sources were identified for this HUC10: urban runoff, leaking/failing septic systems, animal waste, SSOs, illicit connections, CSOs, and NPDES permitted point sources.

This implementation plan was developed with the help of representatives from the DeKalb County Public Works, Clayton County Water Authority, Henry County Planning & Zoning, Henry County Water & Sewerage Authority, Rockdale County Water Resources, Rockdale County Department of Public Services and Engineering, the City of Atlanta's Department of Watershed Management, Rockdale County Board of Health, Henry County Environmental Health Department, DeKalb County Board of Health, Clayton County Board of Health, and the cities of Forest Park, Decatur, Avondale Estates, Clarkston, Pine Lake, Stone Mountain, and Lithonia. The Atlanta Regional Commission coordinated the public meetings and the input received from local stakeholders and technical advisory staff. Representatives from unincorporated Fulton County government were not involved in developing the implementation plan for this watershed because there are no areas of unincorporated Fulton County in the watershed. It is important to understand the difference between responsibilities of Fulton County government and the responsibilities of the cities in the area. All areas of this watershed in Fulton County are incorporated and all water, sewer and stormwater responsibilities in this area are handled by the cities. Stakeholders were identified in this plan with the input of local governments and by searching the counties' tax records to determine large landowners. We also used the U.S. EPA's Enforcement and Compliance History Online (ECHO) website to search for large industries in the watershed. Other stakeholders listed in the plan were included because of their interest in the affected watershed at either the December, January, May, June or July public meetings. The stream segments in Rockdale County were discussed at an initial December 2002 meeting to educate stakeholders about the TMDL process and to solicit input from local

stakeholders. This meeting was followed up with another meeting in January 2003 to discuss the draft implementation plans that were mailed to all the listed stakeholders. The other stream segments found in this HUC10 watershed were discussed at two initial public meetings in May 2003 to educate stakeholders about the TMDL process and to solicit input from local stakeholders. These meetings were followed up with two other meetings; one on June 30, 2003 and another on July 2, 2003 to discuss the draft implementation plans. Comments and requested revisions to the draft plans have been considered in developing this final draft implementation plan.

The GA EPD will be conducting TMDL monitoring in the Ocmulgee River Basin in 2004. This data will be used to list and possibly delist stream segments. The DeKalb County Water & Sewer Division of the Public Works has numerous monitoring plans in place to sample fecal coliform levels. Rockdale County also has a fecal coliform monitoring program in place. The City of Atlanta conducts fecal coliform monitoring as well. The Clayton County Water Authority has conducted sampling on Conley Creek in Clayton County based on an approved sampling plan and the data were submitted to GA EPD in June 2003 for review (see comment section of the plan).

A portion of the Henry, Clayton, DeKalb, and Rockdale Counties' and the affected cities' management measures are based on their NPDES Phase I and Phase II Municipal Separate Storm Sewer System (MS4) Permit requirements. Other management measures included in the plan are voluntary such as Clayton County's Watershed Management Plan and their CMOM program. Henry County's voluntary management measures include their comprehensive inventory/mapping of the county's stormwater management system and their comprehensive inventory of industries and businesses with stormwater discharges. DeKalb County's voluntary programs include the South River Watershed Assessment and Management Plan and their Point Source Pollution Control program. The DeKalb County Public Works, Clayton County Water Authority, Rockdale County Water Resources, and the City of Atlanta all have extensive public education / outreach programs in place to educate the general public about water quality concerns. The Henry County Government also has an extensive public education / outreach program planned for educating the public about water quality concerns. All of these programs include a range of activities such as educational brochures/bill inserts and activities for schools age students. Clayton County, DeKalb County, and the City of Atlanta all participate in the Clean Water Campaign ([www.cleanwatercampaign.com](http://www.cleanwatercampaign.com)). In addition Clayton County Water Authority also maintains an educational website ([www.ccwa1.com](http://www.ccwa1.com)). The City of Atlanta provides water related educational information on two websites [www.cleanwateratlanta.org](http://www.cleanwateratlanta.org) and [www.atlantapublicworks.org](http://www.atlantapublicworks.org). DeKalb County also maintains a website with water related issues (<http://dklbweb.dekalbga.org/watersewer>). Henry County maintains a stormwater website as well. An active Adopt-A-Stream program and storm drain stenciling program operate in Clayton County, DeKalb County and in the City of Atlanta. Henry County has plans to start these types of programs.

The purpose of this implementation plan is to reduce or eliminate the sources of fecal coliform bacteria contributing to these stream segments in order to meet the fecal coliform water quality standard. The water quality attainment date will be ten years from the time the implementation plan is approved.

# STATE OF GEORGIA REVISED TMDL IMPLEMENTATION PLAN WATERSHED APPROACH

## ATLANTA REGIONAL COMMISSION

DeKalb County	City of Atlanta	City of Forest Park
Fulton County	Avondale Estates	Pine Lake
Rockdale County	City of Decatur	City of Stone Mt.
Clayton County	City of East Point	City of Lithonia
	Henry County	

TMDL Implementation Plans are platforms for establishing a course of action to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies. **With input from appropriate stakeholder groups, a TMDL Implementation Plan has been developed for a cluster of impaired waterbodies/streams and the corresponding pollutants.** The impaired waterbodies are located in the same watershed/sub-basin identified by a HUC10 code (Figure 1).

This Implementation Plan addresses an action plan, education/outreach activities, stakeholders, pollutant sources, and potential funding resources affecting the watershed. In addition, the Plan describes (a) regulatory and voluntary practices/control actions (*management measures*) to reduce target pollutants, (b) milestone schedules to show the development of the management measures (*measurable milestones*), (c) a monitoring plan to determine the efficiency of the management measures and measurable milestones, and (d) criteria to determine whether substantial progress is being made towards reducing pollutants in impaired waterbodies. The overall goal of the Plan is to define a set of actions that will help achieve water quality standards in the state of Georgia. Following this section is information regarding individual impaired streams.

## South River Watershed HUC10 #0307010301

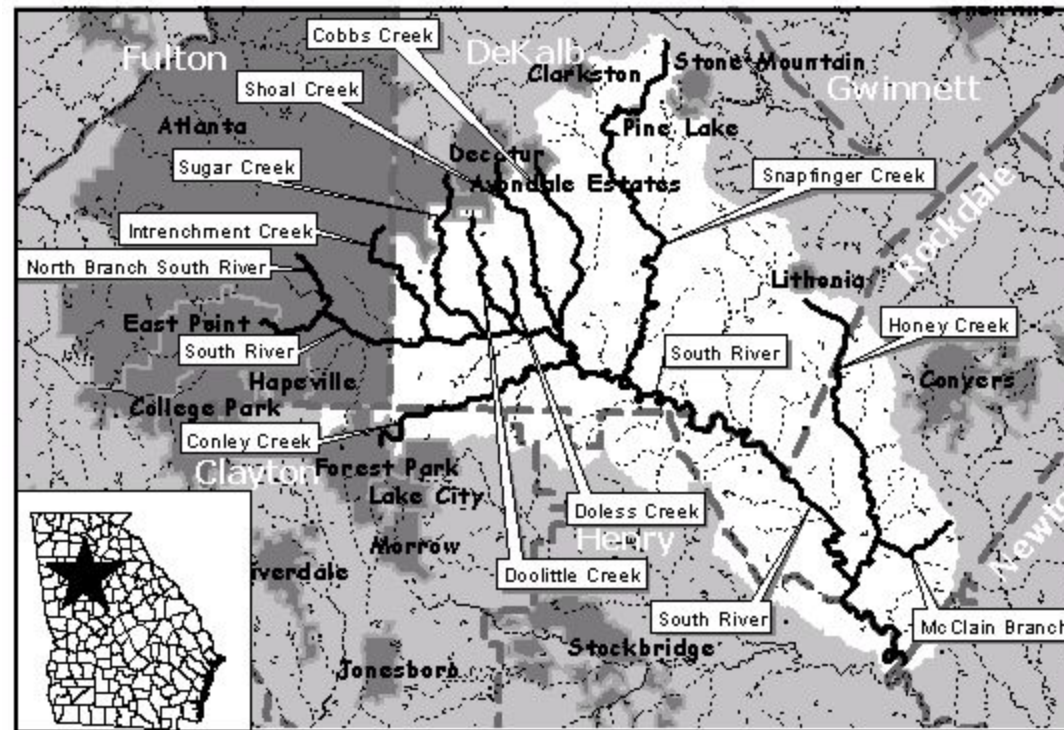


Figure 1

Impaired Waterbody*	Location	Impairment	Impaired Waterbody*	Location	Impairment
1. Cobbs Creek	Headwaters to Shoal Creek	Fecal Coliform (FC)	8. North Branch South River	Atlanta	Fecal Coliform (FC)
2. Conley Creek	Headwaters to South River	Fecal Coliform (FC)	9. Shoal Creek	Headwaters to South River	Fecal Coliform (FC)
3. Doless Creek	Headwaters to Doolittle Creek	Fecal Coliform (FC)	10. Snapfinger Creek	DeKalb County	Fecal Coliform (FC)
4. Doolittle Creek	Headwaters to South River	Fecal Coliform (FC)	11. South River	Atlanta to Flakes Mill Road	Fecal Coliform (FC)
5. Intrinchment Creek	Headwaters to South River, Atlanta	Fecal Coliform (FC)	12. South River	Flakes Mill Road to Pole Bridge Creek	Fecal Coliform (FC)
6. McClain Branch	Headwaters to Honey Creek	Fecal Coliform (FC)	13. South River	Pole Bridge Creek to Hwy 20	Fecal Coliform (FC)
7. Honey Creek	Headwaters to South River	Fecal Coliform (FC)	14. Sugar Creek	U/S Memorial Drive to South River	Fecal Coliform (FC)

\*These Waterbody Numbers are referenced throughout the implementation plan.

# Action Plan for South River Watershed

Watershed: South River  
HUC10: #0307010301

POLLUTANT:	SOURCE:	EFFECT:	WHAT CAN I DO?	
			At Home: Community, School	At Work: Business, Government
<input type="checkbox"/> Dissolved Oxygen (DO) <input checked="" type="checkbox"/> Fecal Coliform (FC) <input type="checkbox"/> Sediment <input type="checkbox"/> Metals <input type="checkbox"/> Fish Consumption Guidelines (FCG) <input type="checkbox"/> Other (Please List)	<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban <input type="checkbox"/> Agriculture <input type="checkbox"/> Forestry <input checked="" type="checkbox"/> Residential <input checked="" type="checkbox"/> Other (Please List) Urban Runoff, Septic tank systems, Animal wastes, SSOs, Illicit connections, Intrenchment Creek Water Reclamation Center, Custer Avenue CSO, McDaniel Street CSO, Rockdale County Honey Creek WPCP, DeKalb County Snapfinger Creek WPC Plant, Pole Bridge Creek WPC Plant	<input type="checkbox"/> Habitat <input checked="" type="checkbox"/> Recreation <input type="checkbox"/> Drinking Water <input type="checkbox"/> Aesthetics <input type="checkbox"/> Other (Please List)	- Routine & regular maintenance of septic systems - Properly dispose of pet waste	- Routine & regular maintenance of septic systems - Report sewer leaks or septic tank failure if found

## INFORMATION/EDUCATION/OUTREACH ACTIVITIES

An education/outreach component will be used to enhance public understanding of and participation in implementing the TMDL Implementation Plan.  
List of all previous and planned information/education/outreach activities.

Responsible Organization Or Entity	Description	Impacted Waterbodies*	Target Audience	Anticipated Dates (MM/YY)
DeKalb County Roads & Drainage Division	Storm drain stenciling program	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	General public (residential /commercial/industrial)	Ongoing (1999)

DeKalb County Roads & Drainage Division	Educational brochures	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: <a href="http://dklbweb.dekalbga.org/watersewer">http://dklbweb.dekalbga.org/watersewer</a>	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	Middle school students	Ongoing (2003)
Clayton County	Clean Water Campaign	2, 11, 12	General Public	Ongoing (01/00)
Clayton County	Stenciling Program	2, 11, 12	General Public	Ongoing (01/00)
Clayton County Water Authority	Adopt-A-Stream	2, 11, 12	General Public	Ongoing (04/01)
Clayton County Water Authority	Utility Bill Inserts/Newsletters	2, 11, 12	CCWA customers	Ongoing
Clayton County Water Authority	Educational School Activities	2, 11, 12	School age students	Ongoing (1995)
Clayton County Water Authority	Wetlands and Watershed Festival	2, 11, 12	General Public	Ongoing
Clayton County Water Authority	Watershed Management Website <a href="http://www.ccwa1.com">www.ccwa1.com</a>	2, 11, 12	General Public	Ongoing (2002)
Clayton County Water Authority	Grease Education Program	2, 11, 12	General Public & Restaurants	Ongoing (2002)
Clayton County Board of Health	Septic Tank Workshop	2, 11, 12	General Public	05/03
Clayton County Board of Health	Septic Tank Workshop	2, 11, 12	General Public	08/03
Henry County Government	Develop two educational pamphlets on stormwater issues	2, 11, 12	Homeowners, Developers, Businesses	12/03
Henry County Government	Develop or purchase educational materials for outdoor classroom.	2, 11, 12	Children in 5 <sup>th</sup> grade and their parents	12/03
Henry County Government	Develop quarterly newspaper articles and/or newsletters on the stormwater management program	2, 11, 12	General Public	09/03 – 12/07
Henry County Government	Seek watershed-based solutions to water quality problems through sharing resources, promoting uniformity, and coordinating policies with other governmental jurisdictions within the county and watersheds. This will be accomplished through quarterly meetings beginning in fall 2003.	2, 11, 12	Neighboring Governmental Jurisdiction	09/03 – 12/07
Henry County Government	Henry County Stormwater Website: <a href="http://www.co.henry.ga.us/PlanningZoning/StormWater/StormWater.htm">http://www.co.henry.ga.us/PlanningZoning/StormWater/StormWater.htm</a>	2, 11, 12	General Public	Ongoing
Henry County Government	Adopt-A-Stream	2, 11, 12	General Public	07/06
Henry County Government	Community Stormwater Hotline	2, 11, 12	General Public	12/03
Henry County Government	Awards program for volunteer groups, subdivisions, businesses, builders, and developers for exhibiting exceptional steps toward stormwater/water quality management	2, 11, 12	General Public	10/05
Henry County Government	“Watershed Days” program	2, 11, 12	General Public	11/04

Henry County Government	Storm drain stenciling day in the county - "Adopt-A-Storm Drain" day.	2, 11, 12	General Public	12/04
Henry County Government	Quarterly meetings of the Stormwater Advisory Group	2, 11, 12	Residents, Developers, Environmental Groups, County & City Employees	06/03
Henry County Environmental Health	Septic Tank Maintenance Brochure	2, 11, 12	Homeowners	2002
City of Atlanta	Stenciling program	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Utility bill inserts	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Great American Cleanup	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Clean Water Campaign	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Community watershed workshops	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Stream clean ups	4, 5, 8, 11, 12, 14	General Public	Ongoing (1998)
City of Atlanta	Adopt-A-Stream	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Citizens participation program	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Project WET	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Website: <a href="http://www.cleanwateratlanta.org">www.cleanwateratlanta.org</a>	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Website: <a href="http://www.atlantapublicworks.org">www.atlantapublicworks.org</a>	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Programming on City Channel 26	4, 5, 8, 11, 12, 14	General Public	Ongoing
City of Atlanta	Neighborhood Planning Unit presentations	4, 5, 8, 11, 12, 14	General Public	Ongoing
Rockdale Water Resources	Airing GA EPD's "Watershed Wisdom: Georgia's TMDL Program" video on the county's cable access channel.	6, 7, 13	General Public	Ongoing
Rockdale Water Resources / Rockdale Co. Health Department	Septic Tank Educational Mailer / Bill Insert	6, 7, 13	General Public	Spring 2003
GA Cooperative Extension Service	4-H Environmental Education Program	6, 7, 13	Grades K-12	Ongoing
GA Waterwise Council	The Water Sourcebook (EPA)	6, 7, 13	Grades K-12	Ongoing
Rockdale Water Resources	Development of brochure / bill insert to address the hazards of fecal coliform entering the waterways and affecting public health issues. This will inform the public of the effects of Fecal Coliform bacteria from places like manure piles, boarding facilities, etc.	6, 7, 13	General Public	2004
Rockdale Water Resources	Making available the ACCG "Water Resources: A Toolkit for Local Governments" Educational CD-ROM	6, 7, 13	General Public	Ongoing



## STAKEHOLDERS

EPD encourages public involvement and the active participation of stakeholders in the process of improving water quality. Stakeholders can provide valuable information and data regarding their community and the impaired water bodies and can provide insight and/or implement management measures.

List of local governments, agricultural organizations or significant landholders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

Name/Organization	Address	City	State	Zip	Phone	E-Mail
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	<a href="mailto:kshahlaee@gaswcc.org">kshahlaee@gaswcc.org</a>
Henry County Schools (Superintendent)	396 Tomlinson Street	McDonough	GA	30253	770-957-6601	
Henry County Extension Service	86 Work Camp Road	McDonough	GA	30253	770-954-2060	<a href="mailto:showing@uga.edu">showing@uga.edu</a>
NRCS (McDonough, GA Office)	333 Philips Drive	McDonough	GA	30252	770-957-5705	
Henry County Board of Commissioners	140 Henry Parkway	McDonough	GA	30253	770-954-2405	
Henry County Planning & Zoning (Director)	140 Henry Parkway	McDonough	GA	30253	770-954-2979	<a href="mailto:dhall@co.henry.ga.us">dhall@co.henry.ga.us</a>
Henry County Water and Sewerage Authority (Pat Hembree)	1695 Highway 20 West	McDonough	GA	30253	770-957-6659	
Henry County Environmental Health	137 Henry Parkway	McDonough	GA	30253	(770) 954-2250	<a href="mailto:gascott@gdph.us.state.ga.com">gascott@gdph.us.state.ga.com</a>
Clayton County	7960 N. McDonough Street	Jonesboro	GA	30236	770-477-3664	<a href="mailto:tim.gilliam@co.clayton.ga.us">tim.gilliam@co.clayton.ga.us</a>
Clayton County Water Authority	1600 Battle Creek Road	Morrow	GA	30260	678-422-2838	<a href="mailto:kzimmerman@ccwal.com">kzimmerman@ccwal.com</a>
Clayton County Board of Health	1380 Southlake Plaza Drive	Morrow	GA	30260	770-961-8399	<a href="mailto:wjhoward@gdph.state.ga.us">wjhoward@gdph.state.ga.us</a>
Clayton County Extension Service	1262 Government Circle, Suite 40	Jonesboro	GA	30236	770-473-5438	<a href="mailto:lgarrett@uga.edu">lgarrett@uga.edu</a>
Clayton County Public Schools (Superintendent)	1058 Fifth Ave.	Jonesboro	GA	30236	770-473-2747	
City of Forest Park	785 Forest Parkway SE	Forest Park	GA	30050		
NRCS (McDonough, GA Office)	333 Philips Drive	McDonough	GA	30252	770-957-5705	
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	<a href="mailto:jravan@ci.atlanta.ga.us">jravan@ci.atlanta.ga.us</a>
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board (Valerie Bell Smith)	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
City of Hapeville (City Manager)	3468 North Fulton Ave.	Hapeville	GA	30354	404-669-2114	
City of East Point, Department of Public Works (Stormwater Coordinator)	2777 East Point Street	East Point	GA	30344	404-765-2745	
Trust for Public Land	1447 Peachtree Street, NE, Suite 601	Atlanta	GA	30309	404-873-7306	
Fulton County Health Department	99 Jesse Hill, Jr. Dr. SE, Rm 101	Atlanta	GA	30303	404-730-1301	
Atlanta Public Schools (Superintendent)	210 Pryor Street	Atlanta	GA	30303	404-827-8075	<a href="mailto:superintendent@atlanta.k12.ga.us">superintendent@atlanta.k12.ga.us</a>
Fulton County Extension Service	1757 Washington Rd.	East Point	GA	30344	(404) 762-4077	<a href="mailto:jbanks@uga.edu">jbanks@uga.edu</a>
NRCS (Marietta, GA Office)	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0647	
DeKalb County School System (Superintendent)	3770 North Decatur Road	Decatur	GA	30032	678-676-0010	
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works (Margo Howse)	1580 Roadhaven Drive	Stone Mountain	GA	30083	770-621-7213	<a href="mailto:mahowse@co.dekalb.ga.us">mahowse@co.dekalb.ga.us</a>
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
East Lake Heights (Ms. Evelyn Bailey)	1841 Camellia Drive	Decatur	GA	30032		
City of Clarkston (Honorable Lee Swaney)	3921 Church Street	Clarkston	GA	30021		



Name/Organization	Address	City	State	Zip	Phone	E-Mail
City of Clarkston (Mr. Bill Adams)	3921 Church Street	Clarkston	GA	30021		
Clayton County Water Authority (Mr. Wade Brannan)	1600 Battle Creek Road	Morrow	GA	30260		
Clayton State College & University (Dr. Helen Brown)	5900 N. Lee Street	Morrow	GA	30260		
City of Stone Mountain (Honorable Gary Peet)	PO Box 454	Stone Mountain	GA	30083		
City of Stone Mountain (Mr. Jim Tavenner)	922 Main Street	Stone Mountain	GA	30083		
Henry County Water and Sewerage Authority (Mr. Lindy Farmer, Jr.)	533 Hampton Road	McDonough	GA	30253		
City of Decatur (Honorable William Floyd)	PO Box 220	Decatur	GA	30031		
City of Decatur (Mr. Miguel Valentine)	2635 Talley Street	Decatur	GA	30030		
City of Pine Lake (Honorable Greg Zarus)	459 Pine Lake Drive	Pine Lake	GA	30072	(404) 292-4250	<a href="mailto:gaz5@cdc.gov">gaz5@cdc.gov</a>
City of Pine Lake (Ms. Mavis Crossley)	450 Pine Lake Drive	Pine Lake	GA	30072		
City of Lithonia (Honorable Marcia Glenn)	6980 Main St.	Lithonia	GA	30058		
City of Lithonia (City Clerk)	6980 Main Street	Lithonia	GA	30058		
City of Chamblee (Honorable Evelyn Kennedy)	5468 Peachtree Rd.	Chamblee	GA	30341		
City of Chamblee (Mr. Tillman Hannon)	5468 Peachtree Road	Chamblee	GA	30341		
Sierra Club (Mr. Glenn Grossmann)	160 Thompson Place	Roswell	GA	30075-3506		
City of Atlanta (Ms. Marilyn Johnson)	55 Trinity Avenue, Suite 5800	Atlanta	GA	30335		
Rockdale County (Mr. Larry Kaiser)	2570 Old Covington Highway	Conyers	GA	30012		
City of Avondale Estates (Honorable John Lawson)	21 North Avondale Pl.	Avondale Estates	GA	30002		
City of Avondale Estates (Mr. Warren Hutmacher)	21 North Avondale Pl.	Avondale Estates	GA	30002		
City of Doraville (Honorable Gene Lively)	3725 Park Avenue	Doraville	GA	30340		
GA Dept. of Natural Resources (Mr. Vince Williams)	4220 International Parkway	Atlanta	GA	30354		
DeKalb Chamber of Commerce (Mr. Ed Nelson, Jr.)	750 Commerce Drive	Decatur	GA	30030		
City of Decatur (Mr. Daniel Newman)	PO Box 220	Decatur	GA	30031		
Pharr Engineering (Mr. Keith Pharr)	1770 Century Circle	Atlanta	GA	30345		
Cherry Ridge Homeowner Association (Mr. Dexter Pierce)	3737 Cherry Ridge	Decatur	GA	30030		
Clayton State College & University (Dr. Linda Samson)	5900 N. Lee Street	Morrow	GA	30260		
Gwinnett Department of Public Utilities (Mr. Jim Scarbrough)	684 Winder Highway	Lawrenceville	GA	30045		
Oglethorpe Power (Mr. Robert Steele)	2100 East Exchange Place	Tucker	GA	30085		
Clayton County Water Authority (Mr. Mike Thomas)	1600 Battle Creek Road	Morrow	GA	30260		
PRIDE Neighborhood Association (Mr. O.C. Thornton)	4096 Warrior Trail	Stone Mountain	GA	30083		
Rockdale Water Resources (Ms. Laurie Ashmore)	P.O. Box 289	Conyers	GA	30094		
South River Alliance (Ms. Joan Walker)	2812 Rainbow Forest Drive	Decatur	GA	30034		
South DeKalb Community Development Corporation (Ms. Sarah Woods)	1970 Mark Trail	Decatur	GA	30032		
DeKalb County Health Department (Mr. Robert Blake)	PO Box 987	Decatur	GA	30031		
Hand Made Furniture	2868 Franklin St	Avondale Estates	GA	30002		
Seminole Road MSW Landfill	4203 Clevefmont Road	Ellenwood	GA	30294		
Allwaste Container Services	4367 Old McDonough Rd	Conley	GA	30288		
Haygood of Atlanta	4325 Moreland Avenue	Conley	GA	30288		
Specialized Services	3330 Moreland Avenue	Conley	GA	30288		
Earthgrains Baking Companies	3310 Panthersville Road	Decatur	GA	30034		
Fleetline Incorporated	1675 Moreland Avenue	Atlanta	GA	30316		

Name/Organization	Address	City	State	Zip	Phone	E-Mail
BST AtIngaca F1169	248 Chester Avenue	Atlanta	GA	30316		
Georgia Cabinet & Supply Co	591 Edgewood Ave	Atlanta	GA	30310		
National Linen Service #493	460 Englewood Ave	Atlanta	GA	30315		
US Penitentiary Atlanta	735 McDonough Blvd	Atlanta	GA	30315		
APCO Graphics Inc	388 Grant Street	Atlanta	GA	30312		
Quadracorp Inc	515 Ralph D. Abernathy Blvd	Atlanta	GA	30312		
Georgia State University	University Plaza	Atlanta	GA	30303		
Simmons Plating Works	409 Whitehall St	Atlanta	GA	30303		
Exhibits Plus Inc	900 Murphy Avenue	Atlanta	GA	30310		
Lipton Atlanta Georgia	1591 Murphy Avenue	Atlanta	GA	30310		
Nabisco Biscuit Co. Inc	1400 Murphy Ave	Atlanta	GA	30310		
Stevens Graphics Inc	713 Ralph David Abernathy Blvd	Atlanta	GA	30310		
Tenneco Packaging	3200 Lakewood Ave	Atlanta	GA	30310		
Atlanta Film Converting Co, Inc	1132 Pryor Road SW	Atlanta	GA	30315		
US Penitentiary Atlanta	735 McDonough Blvd	Atlanta	GA	30315		
Quadracorp Inc	5151 Ralph D Abernathy Blvd	Atlanta	GA	30312		
Simmons Plating Works Inc	409 Whitehall Street SW	Atlanta	GA	30303		
PPG Industries Inc	1377 Oakleigh Drive	East Point	GA	30344		
Bio Lab Inc	627 East College Avenue	Decatur	GA	30031		
Trojan Battery Co	5194 Minola Drive	Lithonia	GA	30038		
Universal Steel Incorporated	2400 Stone Mountain Lithonia Road	Lithonia	GA	30058		
Wade Walker Park	5585 Rockbridge Road	Stone Mountain	GA	30088		
All Park Incorporated	5383 Truman Drive	Decatur	GA	30035		
MCF Systems Atlanta	5353 Snapfinger Woods Drive	Decatur	GA	30035		
Wilsonart International Inc	2323 Park Central Blvd	Decatur	GA	30031		
Dekalb County Sheriffs Dept	4415 Memorial Drive	Decatur	GA	30032		
Atlanta Web Printers	1585 Roadhaven Drive NE	Stone Mountain	GA	30083		
Cleaners Care	5998B Memorial Drive	Stone Mountain	GA	30083		
Dekalb Co-Polebridge or WPCP	1580 Roadhaven Drive	Stone Mountain	GA	30083		
Horne R.R. & Co.	1584 McCurdy Drive	Stone Mountain	GA	30083		
Jefferson Smurfit Corporation USA	5853 E. Ponce de Leon Drive	Stone Mountain	GA	30083		
Wincup	4640 Lewis Road	Stone Mountain	GA	30083		
Georgia Duck and Cordage Mill	21 Laredo Drive	Scottdale	GA	30078		
Heritage Cabinet Company	225 Laredo Drive	Decatur	GA	30030		
MARTA Laredo Bus Operating Shop	227 Laredo Drive	Decatur	GA	30030		
Mr. Joe Arrington	466 South Rays Road	Stone Mountain	GA	30083		
Jan Dunaway	4672 Fellswood Drive	Stone Mountain	GA	30083	404-294-9215	
Snapfinger Creek Watershed Alliance (Director: Cathy Creel)	PO Box 1518	Pine Lake	GA	30072	(404) 298-8819	<a href="mailto:crcreel@mindspring.com">crcreel@mindspring.com</a>
Rockdale Co. Board of Commissioners (Chairman)	962 Milstead Ave.	Conyers	GA	30012	(770) 929-4001	<a href="mailto:jennifer.rutledge@rockdalecounty.org">jennifer.rutledge@rockdalecounty.org</a>
Rockdale Co. Water Resources (Director)	958 Milstead Ave.	Conyers	GA	30012	(770) 602-4344	<a href="mailto:Laurie.Ashmore@rockdalecounty.org">Laurie.Ashmore@rockdalecounty.org</a>
Rockdale Co. Public Services and Engineering (Director)	958 Milstead Ave.	Conyers	GA	30012	(770) 785-5919	<a href="mailto:larry.kaiser@rockdalecounty.org">larry.kaiser@rockdalecounty.org</a>
Rockdale Co. Environmental Health (Joe Farmer)	958 Milstead Ave., Suite 102	Conyers	GA	30012	(770) 785-5948	<a href="mailto:jmfarmer@ph.dnr.state.ga.us">jmfarmer@ph.dnr.state.ga.us</a>

Name/Organization	Address	City	State	Zip	Phone	E-Mail
Rockdale Co. Board of Education (Superintendent)	954 Main Street	Conyers	GA	30012	(770) 860-4211	
Edwards Middle School	2633 Stanton Rd.	Conyers	GA	30094	(770) 483-3255	
South Rockdale Civic Association	3390 Hwy 20 SE	Conyers	GA	30013 -2866	(770) 922-7292	<a href="mailto:einash33@bellsouth.net">einash33@bellsouth.net</a>
South River Watershed Alliance	3390 Hwy 20 SE	Conyers	GA	30013 -2866	(770) 922-7292	<a href="mailto:einash33@bellsouth.net">einash33@bellsouth.net</a>
Monastery of the Holy Ghost (Francis M. Sleteler)	2625 Hwy 212 SW	Conyers	GA	30094 -4044	(770) 929-8178	<a href="mailto:monastery@trappist.net">monastery@trappist.net</a>
Honey Creek Golf & Country Club (Gen. Mgr.)	635 Clubhouse Drive, SE	Conyers	GA	30094	(770) 483-6343	
TGPI, Inc.	P.O. Box 2365	Stockbridge	GA	30281		
Little Mountain Mngt. Corp.	1850 Little Mnt. Rd. SW	Ellenwood	GA	30049		
Elks Aidmore, Inc. (CEO)	2394 Morrison Rd.	Conyers	GA	30094 -3332	(770) 483-3535	
NEO GA Corp.	635 Clubhouse Dr. SE	Conyers	GA	30094 -3799		
Shirey's Cabinets Inc. (Eddie Shirey, Owner)	2085 Sigman Rd.	Conyers	GA	30012	(770) 483-1110	<a href="mailto:eddie@shireycabinets.com">eddie@shireycabinets.com</a>
Adrienne Susong (Private Citizen)	4300 Susong Rd.	Conyers	GA	30094	(770) 483-8288	
Roy Owens (Private Citizen)	2700 Hwy 138	Conyers	GA	30094	(770) 483-0392	
Jim Wilson (Private Citizen)	3294 Creekside Drive	Conyers	GA	30094	(770) 761-5077	
John Hamman (Private Citizen)	3298 Mill Forest Dr.	Conyers	GA	30094	(770) 483-7494	<a href="mailto:jmhamman@bellsouth.net">jmhamman@bellsouth.net</a>
DeKalb Co. Board of Commissioners (CEO)	1300 Commerce Drive	Decatur	GA	30030	404-371-2881	<a href="mailto:ceo@co.dekalb.ga.us">ceo@co.dekalb.ga.us</a>
City of Atlanta, Department of Public Works	55 Trinity Ave., Suite 4700	Atlanta	GA	30303	(404) 330-6240	
Honey Creek Baptist Church	1740 Honey Creek Rd., SE	Conyers	GA	30013 -2920		
Old Pleasant Hill Baptist Church	300 Honey Creek Rd., SE	Conyers	GA	30094 -3508		
Barksdale Elementary School	596 Oglesby Bridge Rd.	Conyers	GA	30094		
Leroy Bigham	2300 Smyrna Rd.	Conyers	GA		(770) 483-3681	
Dennis W. Lynch	2907 Bridle Creek Dr.	Conyers	GA	30094	(770) 760-8419	
T. Eleanor Davis	2697 Union Church Road, SW	Stockbridge	GA	30281 -5437	(770) 860-8989	<a href="mailto:ted@eleanordavisinc.com">ted@eleanordavisinc.com</a>
The Mall at Stonecrest / Cadillac Fairview US, Inc. (Russ Kellogg)	2 Concourse Pkwy NE, Suite 260	Atlanta	GA	30328	(770) 399-8440	

## WATER BODIES/STREAMS COVERED IN THIS PLAN

These impaired streams are located in the same sub-basin identified by a HUC10 code. Most of the information contained in this section comes from the 303(d) list and has been completed by employees of the EPD Water Protection Branch. Data that placed the streams on the 303(d) list will be provided upon request.

Waterbody Name #1		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Cobbs Creek		Headwaters to Shoal Creek	7 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb					Nonpoint (Urban Runoff)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	93.0%			January 2002
Waterbody Name #2		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Conley Creek		Headwater to South River	9 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
Clayton		DeKalb			Nonpoint (Urban Runoff)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	66.6%			January 2002

Watershed: South River  
HUC10: #0307010301

Waterbody Name #3		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Doless Creek		Headwaters to Doolittle Creek	2 miles	Fishing	PS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb					Nonpoint (Urban Runoff)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	94.6%			January 2002

Waterbody Name #4		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Doolittle Creek		Headwaters to South River	5 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb					Nonpoint (Urban Runoff)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	89.9%			January 2002

Watershed: South River  
HUC10: #0307010301

<b>Waterbody Name #5</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
Intrenchment Creek	Headwaters to South River, Atlanta	6 miles	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Fulton	DeKalb		Nonpoint (Urban Runoff) Point (CSO)	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Load Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	99.9%		January 2002
<b>Waterbody Name #6</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
McClain Branch	Headwaters to Honey Creek	2 miles	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rockdale			Rockdale Honey Creek WPCP Nonpoint (Urban Runoff)	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Load Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	90.6%		January 2002
<b>Waterbody Name #7</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
Honey Creek	Headwaters to South River	13 miles	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
DeKalb	Rockdale		Rockdale Honey Creek WPCP Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Load Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	76.1%		January 2002

Watershed: South River  
HUC10: #0307010301

Waterbody Name #8		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
North Branch South River		Atlanta	3 miles	Fishing	PS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
Fulton					Nonpoint (Urban Runoff) Point (CSO)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	99.6%			January 2002

Waterbody Name #9		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Shoal Creek		Headwaters to South River	7 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb					Nonpoint (Urban Runoff)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	97.0%			January 2002

Waterbody Name #10		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Snapfinger Creek		DeKalb County	18 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb					Nonpoint (Urban Runoff)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	81.4%			January 2002



Watershed: South River  
HUC10: #0307010301

Waterbody Name #11		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
South River		Atlanta to Flakes Mill Road	16 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
Fulton		DeKalb			Nonpoint (Urban Runoff) Point (CSO)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	25.0%			February 2002
Waterbody Name #12		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
South River		Flakes Mill Road to Pole Bridge Creek	9 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb					Nonpoint (Urban Runoff) Point (CSO, DeKalb Co. Snapfinger WPCP)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	25.0%			February 2002
Waterbody Name #13		Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
South River		Pole Bridge Creek to Hwy 20	15 miles	Fishing	NS
Primary County		Secondary County	Second RDC		Source (Point/ Nonpoint)
Rockdale		Henry			Nonpoint (Urban Runoff) Point (CSO, DeKalb Co. Polebridge WPCP)
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	50.0%			February 2002

Waterbody Name #14			Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Sugar Creek			U/S Memorial Drive to South River	6 miles	Fishing	NS
Primary County			Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb						Nonpoint (Urban Runoff)
Pollutants	Water Quality Standards		Required Load Reduction		TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)		93.4%			January 2002

## POLLUTANT SOURCES

It is important to recognize the potential source(s) causing water quality impairment. Each source must be controlled to comply with target TMDL/Load Allocations for each pollutant. Included is a description of how the sources contribute to the impairment and the waterbody that is impaired. List of major nonpoint source categories and sub-categories or individual sources (Urban Runoff, Agriculture, Forestry, Municipal Sewage Treatment Plant )

Pollutant	Sources of Pollutants	Description of Contribution To Impairment	Impacted Waterbodies*
Fecal Coliform	Urban Runoff	Nonpoint source / stormwater runoff	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
Fecal Coliform	Septic tank systems	Leaking / runoff from failing septic tank systems, including faulty drain fields	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
Fecal Coliform	Animal wastes	Nonpoint source - pets and wildlife	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
Fecal Coliform	SSOs	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14
Fecal Coliform	Illicit connections	Improper connections of sanitary sewer flows to the storm drain system	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 14
Fecal Coliform	Intrenchment Creek Water Reclamation Center	Water Reclamation Center	5, 11, 12
Fecal Coliform	Custer Avenue CSO	Combined Sewer Overflow Facility	5, 11, 12, 13
Fecal Coliform	McDaniel Street CSO	Combined Sewer Overflow Facility	8, 11, 12
Fecal Coliform	Rockdale County Honey Creek WPCP	Point Source	6, 7
Fecal Coliform	DeKalb County Snapfinger Creek WPC Plant	Point source / discharges from wastewater treatment facilities	12
Fecal Coliform	Pole Bridge Creek WPC Plant	Point source / discharges from wastewater treatment facilities	12, 13

## MANAGEMENT MEASURES, MEASURABLE MILESTONES AND SCHEDULE (i.e. Local codes and ordinances, Erosion and Sedimentation Control, Storm Water Management, Local water resource monitoring)

The following table lists management measures that have been or will be implemented to achieve water quality standards and the load reductions established in the TMDL. The management measures, including regulatory or voluntary actions or other controls by governments or individuals, specifically apply to the pollutant and the waterbody for which the TMDL was written. A description is provided of how these management measures are/will be accomplished through reliable and effective delivery mechanisms, and how these management measures are/will help achieve the target TMDL. Included is the source of the pollutant, anticipated/past effectiveness of the management measure (very effective, somewhat effective, not effective), the current status (i.e. enforced, in-progress, planning), and measurable milestones and schedule. Milestones are used to measure progress in attaining water quality standards and to determine whether management measures are being implemented.

Regulation/Ordinance or Management Measure		Responsible Government, Organization or Entity		Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Consent Decree		EPA/EPD/City of Atlanta		City of Atlanta Custer Ave. CSO	2007	In Progress	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*		Anticipated or Past Effectiveness			
Fecal Coliform		5, 11, 12, 13		CSO treatment and facility modifications expected to result in discharge meeting TMDL limits by 2007.			
Measurable Milestones		Schedule		Comments			
		Start	End				
Refer to Permit GA0037141							

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Consent Decree	EPA/EPD/City of Atlanta	Intrenchment Creek Water Reclamation Center	2007	In Progress	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness		
Fecal Coliform		5, 11, 12	Facility upgraded to increase its capacity to transfer treated wastewater to the South River WRC for further processing during wet weather conditions. Treatment and facility modifications expected to result in discharge meeting TMDL limits by 2007.		
Measurable Milestones	Schedule		Comments		
	Start	End			
Refer to Permit GA0037168					

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Permit GA0037133	EPA/EPD/City of Atlanta	City of Atlanta McDaniel Street CSO	2007	In Progress	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness		
Fecal Coliform		8, 11, 12	CSO treatment and facility modifications expected to result in discharge meeting TMDL limits by 2007.		
Measurable Milestones	Schedule		Comments		
	Start	End			
Refer to Permit GA0037133					

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Permit GA0026816	GA EPD	DeKalb County Polebridge WPCP	08/24/02	Enforced	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness		
Fecal Coliform		13	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.		
Measurable Milestones	Schedule		Comments		
	Start	End			
Refer to Permit GA0026816					

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Permit GA0024147	GA EPD	DeKalb County Snapfinger WPCP		Enforced	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness		
Fecal Coliform		12	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.		
Measurable Milestones		Schedule		Comments	
		Start	End		
Refer to Permit GA0024147					

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Permit GA0022659	GA EPD	Rockdale County Honey Creek WPCP	01/29/02	Enforced	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness		
Fecal Coliform		6, 7	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.		
Measurable Milestones	Schedule		Comments		
	Start	End			
Refer to Permit GA0022659					

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Phase I MS4 Municipal Stormwater Permit	DeKalb County	Under this permit, DeKalb County is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports submitted to EPD	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Avondale Estates	As a Co-permittee with DeKalb County, the City has delegated authority to DeKalb County through intermunicipal agreement to operate the County's comprehensive stormwater program on its behalf within incorporated city limits, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	1, 9, 10, 11, 12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports on building permits submitted to DeKalb County	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
South River Watershed Assessment and Management Plan	DeKalb County government	Assessment of water quality conditions, prioritization of areas for improvement, and plan that identifies measures for protection and restoration/retrofit.	2001	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff, animal wastes, septic tanks	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	Management Plan outlines measures for multiple departments to coordinate activities for stream water quality / habitat improvements, including identification and reduction of fecal coliform levels.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual report with summary of monitoring data submitted to EPD	2001	Ongoing	This management measure could also control Total Suspended Solid (TSS) levels in the stream.
Septic Tank investigation program	2002	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	1998	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff, animal wastes	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	Increases inspection and enforcement activities for storm water control, nonpoint source pollution runoff from construction and industrial sites to the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections of Industrial / commercial sites for spill prevention and control	1994	Ongoing	
Outfall screenings for illicit connections	1994	Ongoing	
Implementation of Storm Water Management Design Manual to provide BMPs for development sites	2000	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	Implementation of land development code revisions including revised subdivision requirements and Conservation Subdivision Overlay District, revised Tree Ordinance.	2002	Ongoing	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban runoff	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	Regulations modified to enhance nonpoint source pollution / runoff controls; increase stream buffer requirements; encourage inclusion of greenspace in future developments.

Measurable Milestones	Schedule		Comments
	Start	End	
Passage of ordinance modifications	2002	Ongoing	This management measure could also control TSS levels in the stream.
Implementation of conservation zoning	2003	Ongoing	
Increase level of site inspections for compliance with erosion and sediment control requirements	2003	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Point Source Pollution Control	DeKalb County Water & Sewer	Capital Improvement Plan for upgrade of Pole Bridge Creek WPC Plant to regional facility with advanced treatment/removals, phasing out Snapfinger WPC Plant. Provide for future reuse of treated effluent and beneficial use of biosolids.	2002 - 2010	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Sanitary sewer system	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	New regional facility constructed to advanced treatment standards, including ozonation or UV disinfection for coliform control and elimination of chlorine risks.

Measurable Milestones	Schedule		Comments
	Start	End	
Projects initiated and/or completed for design and construction	2005	2010	This management measure could also control the following water quality parameters: TSS, DO, BOD, P, N.



Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	Sanitary sewer system inventory and inspection (mapping, television inspections); infiltration & inflow identification and reduction (flow monitoring, smoke testing); sewer line rehabilitation (pipe bursting, relining, cleaning).	1996	Ongoing	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Sanitary sewer system	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	Identify potential leaky sewer lines and overflows, identify areas served primarily by septic tanks and assess potential for sewer tie-ins.

Measurable Milestones	Schedule		Comments
	Start	End	
Number of inspections completed;	1999	Ongoing	This program is the result of a Consent Order between DeKalb and EPD on previous SSOs. It is enforced by EPD's Permitting, Compliance and Enforcement Program.
Miles of sewer line mapped and cleaned	1996	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Restoration and Retrofit Programs	DeKalb County government	Utility line vegetation program using native prairie grasses to stabilize utility easements and enhance habitat, sheet flow filterability; and construction of hydrologic controls and stream restoration projects.	2001	Ongoing	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban runoff	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	Restoration of natural habitat along easement corridors, which typically includes stream buffer areas; reduction of storm water flows and related stream bank erosion; and restoration of stream banks for improved water quality.

Measurable Milestones	Schedule		Comments
	Start	End	
Number of projects or linear feet of prairie grass planted;	2001	Ongoing	This management measure could also control TSS levels in the stream.
Number of projects identified through feasibility studies, and then designed and constructed	2005	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	Rules and regulations for installation and repair of on-site sewage management systems.	June 30, 1980	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Septic Systems	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	This program ensures septic systems are installed and repaired in accordance with established procedures and specifications.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue the process of reviewing the installation of septic systems as a part of the development review process	1980	Ongoing	
Continue to identify and respond to instances of septic system failure. Enforcement responses to failing septic systems are by complaint only. Home and business owners who don't have a complaint lodged against them can consult with Environmental Health about their failing systems and can pay for an onsite assessment for repair.	1980	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	Clayton County	Under this permit, Clayton County is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	2, 11, 12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports submitted to EPD	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Forest Park	As a Co-permittee with Clayton County, the City participates in Clayton County's comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Information submitted annually to Clayton County for Annual Report	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Watershed Management Plan	Clayton County Water Authority	Assessment of watersheds and suggested protection measures.	April 2001	In-Progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	2, 11, 12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Watershed Reports submitted to EPD in accordance with water and wastewater NPDES permits.	04/01	On-going	Plan and recommended ordinances adopted by the CCWA Board and the Clayton County Board of Commissioners in April 2001.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
IAW O.C.G.A. 290-5-26	Clayton County Board of Health	Rules and regulations for the installation and repair of on-site sewage management systems.	June 30, 1980	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Septic Systems	2, 11, 12	This program ensures septic systems are installed and repaired in accordance with established procedures and specifications.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue the process of reviewing the installation of septic systems as a part of the development review process	1980	Ongoing	
Continue to identify and respond to instances of septic system failure. Enforcement responses to failing septic systems are by complaint only. Home and business owners who don't have a complaint lodged against them can consult with Environmental Health about their failing systems and can pay for an onsite assessment for repair.	1980	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Clayton County Stormwater Management Ordinance	Clayton County	Control stormwater runoff to the MS4 within unincorporated areas of Clayton County	1995	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	2, 11, 12	Provides consequences for illicit discharges and connections to the MS4.

Measurable Milestones	Schedule		Comments
	Start	End	
Industrial inspections and illicit discharge investigations	1995	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Grease Trap Inspection Program	Clayton County Water Authority	Inspection of grease traps	2001	In-Progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	SSO's	2, 11, 12	Inspection of grease traps should reduce levels of grease in the sanitary sewer system, thereby reducing overflows.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections	2001	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
CMOM Program/ Sanitary Sewer Evaluation Program	Clayton County Water Authority	Inspection and evaluation of sanitary sewers using smoke testing, TV testing, and walking easements. Modeled sanitary sewer system to determine areas prone to overflows. Developed a master plan to improve capacity in the system and reduce frequency of SSOs.	Ongoing	In-Progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	SSO's	2, 11, 12	Identifying infrastructure replacement needs should reduce the number and intensity of SSO's in the watershed.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections	Ongoing	Ongoing	
Wastewater Modeling & CIP Project Identification	2000	2003	
Capital Improvement Project Implementation	2003	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Clayton County Land Development Guidelines	Clayton County	Includes stormwater quantity and quality requirements for new developments	1999	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	2, 11, 12	Requires post-development controls for stormwater quantity and quality intended to reduce stormwater pollution loads from new developments.

Measurable Milestones	Schedule		Comments
	Start	End	
Ordinance Adopted	1999	Ongoing	
Water Quality Requirements Added	2001	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Phase II MS4 Municipal Stormwater Permit	Henry County Government	Requires jurisdiction to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, construction site runoff control, post construction runoff control, pollution prevention, permitting and reporting, and program implementation plans.	March 2003	Planning	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit discharges, Animal Waste	2, 11, 12	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Annual Report for project effectiveness.	2004	Ongoing	Notification of Intent (NOI) is currently under review by GA EPD. Annual reporting will be based on the permit signing date.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Illicit Discharge Ordinance	Henry County Government	The ordinance should establish specific guidelines for detection, elimination, and enforcement of non-stormwater discharges to the storm sewer system.	12/03	Planning	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit Discharges	2, 11, 12	Although illicit discharges are not thought to be a significant source of water pollution within the county, the ordinance would help prevent future development and redevelopment from creating illicit/illegal discharges.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue review of existing ordinances dealing with prevention and enforcement. Develop/Adopt changes.	Dec 2003		
Review regulations and develop/adopt changes	2005		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Comprehensive Map/Inventory of Stormwater Management System	Henry County Government	A comprehensive storm sewer mapping/GIS program will be implemented. Items to be mapped and compiled into the GIS program include storm system conveyances, inlets, outfalls, stormwater detention ponds, drainage basin, and receiving waters.	Ongoing	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	A comprehensive mapping/GIS program allows the county to have extensive knowledge of the locations for all stormwater structures and conveyances.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 20% of total work.		Dec 2003	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 50% of total work.		Dec 2004	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 75% of total work.		Dec 2005	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 100% of total work.		Dec 2006	



Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Comprehensive inventory of industries & businesses with stormwater discharges	Henry County Government	Field visits and evaluations of all industries and businesses in the unincorporated and incorporated areas of the county will be conducted. A database of the facilities and the results of the inspections will be maintained.	June 2004	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	Maintaining a comprehensive inventory/database of all industries and businesses with stormwater discharges will allow the county to keep track of the types of industries, how many exist, and their location. Having this information will assist in developing priority locations for spills, prevention, and/or containment plans and potential contributors/sources of pollution should a problem be observed.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop a database and field form		June 2004	
Visit and evaluate 20% of the industries and businesses within the county		Dec. 2004	
Visit and evaluate 40% of the industries and businesses within the county		Dec. 2005	
Visit and evaluate the remaining 40% of the industries and businesses within the county		Dec. 2006	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Dry-weather Screening Program	Henry County Government	Initiate a screening program for visual inspection of the stormwater outfalls. Initial inspections will be developed that will assist in the process of determining, through visual observation, potential illegal/illicit discharge connections. Laboratory testing should occur if dry weather flow is observed. Analyses should be conducted, at a minimum, for fecal coliform, BOD, DO, nutrients (phosphorous & nitrogen), and heavy metals.	December 2003	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit Discharges	2, 11, 12	Dry-weather screening allows the true extent of any illicit discharges throughout the county to be assessed.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspect 20 % of the outfalls (20 % of total completed)	Dec. 2003	2004	The outfalls will be inspected during the comprehensive storm sewer system inventory.
Inspect 30 % of the outfalls (50 % of total completed)		2005	
Inspect 25 % of the outfalls (75 % of total completed)		2006	
Inspect 25% of the outfalls (100 % of total completed)		2007	
Continue dry-weather screening		2008	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Develop Septic System Maintenance Standards	Henry County Government	Coordination with the county's Department of Environmental Health will allow resources to combine and will greatly increase the amount of people that may be informed on septic system maintenance techniques and procedures.	2003	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Leaking/Failing Systems	Septic 2, 11, 12	Septic systems are a primary source for increased nitrogen concentrations within many surface waters. In many cases, the property owner does not maintain the system properly. This causes problems to occur that many times result in septic system discharging into nearby streams and rivers.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue coordination efforts and discuss potential efforts for additional teaming	2003	Ongoing	
Develop standards for septic system maintenance		Dec 2006	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
As-built checklist for stormwater infrastructure information	Henry County Government	A checklist will be developed to specify requirements for all as built drawings regarding the stormwater system/facilities to maintain/update the stormwater system inventory in a GIS.	2003	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	The county currently requires as-built drawings on all new developments with the survey tied to county survey monuments. By standardizing the stormwater related information that is included on these drawings, the county and cities will be able to easily update the comprehensive inventory with the new structures in the county's and cities' GIS.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop an as-built checklist		Dec 2003	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Land Disturbance Activities Training and Certification Program	Henry County Government	Develop a training and certification program for individuals involved with land disturbance activities. The program should include local engineers, developers, contractors, builders, county personnel, landscape architects, and others who intend to perform similar construction.	2004	Planning	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	A certification program for erosion and sediment control and stormwater management ensures everyone involved in land disturbing activities is aware of proper construction, maintenance, and importance of sediment and erosion control measures and stormwater management facilities.

Measurable Milestones	Schedule		Comments
	Start	End	
Evaluate funding and requirements for a certification program		Dec 2004	
Adopt program as part of regulations/requirements		May 2005	
Establish certification dates	2005		Certification Dates: February 2005, August 2005
Implement / require certification	2006		Certification Dates: February 2006, August 2006
Program required	2007		Certification Dates: February 2007, August 2007

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Ordinance Revisions	Henry County Government	Review the current Erosion & Sediment control ordinance and modify as appropriate. Include requirements for professionals involved in erosion and sediment control design and construction to be certified by Henry County. Include requirements for pollution prevention at the construction site through the preparation of an Erosion, Sedimentation & Pollution Control Plan to address issues such as trash, construction debris, leaking vehicles, storage of chemicals, etc.	2003	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	There are proposed changes to the state's erosion and sediment control program. Ordinance medications will probably be required to implement these changes. In addition, channel protection and conservation subdivision ordinances will provide further guidelines for construction activities.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue review of existing ordinances dealing with construction site runoff. Develop / adopt changes.	2003	Dec 2003	
Review regulations and develop / adopt changes.	2007	Dec 2007	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Adopt the Georgia Stormwater Management Manual (GSMM)	Henry County Government	Adopt the Georgia Stormwater Management Manual (GSMM) as the county's stormwater design manual. The county and cities may also develop an addendum to the manual which has county specific requirements that are not covered by the GSMM.	2003	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	The county staff reviewed the manual and believes the design methodologies would benefit the county's water quality.

Measurable Milestones	Schedule		Comments
	Start	End	
Adoption of the GSMM		Dec 2003	
County specific addendum to GSMM		Dec 2005	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Stormwater Ordinance (Article IV. Stormwater Runoff, Henry County Code Sec. 3-6-61)	Henry County Planning & Zoning	Ordinance to address non-point source pollution.	1994	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	Gives the inspectors a way to address non-point source pollution that is discharged into the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Conduct development plan review to ensure compliance with County stormwater runoff regulations	1994	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Stormwater Management Audit / Assessment	Henry County Government	Internal assessment of stormwater pollution prevention plan (map of facility and responsibilities for upkeep): municipal operations, automobile maintenance, car washing, illegal dumping control, landscaping and lawn care, parking lot and street cleaning, roadway and bridge maintenance, septic system controls, storm drain system cleaning, stormwater detention basins maintenance, alternative products, hazardous materials storage, road salt application and storage, spill response and prevention, used oil recycling, materials management, leaking fluids from vehicles, and street sweeping.	Dec 2004	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	The county needs to ensure that they are meeting all applicable stormwater requirements.

Measurable Milestones	Schedule		Comments
	Start	End	
Begin assessment of county operations	Dec 2004	Dec 2006	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Stormwater BMP Guidance Document for Municipal Operations	Henry County Government	Following the audit / assessment, prepare a BMP procedures and guidance manual for Henry County and the cities' departments to minimize impact of municipal operations on stormwater runoff. This document should address all of the activities identified in the audit / assessment and focus on any common problem areas identified.	June 2006	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	A consolidated document that addresses all of the activities that the cities and county performs that have an impact on stormwater would help county and city employees be an example to the community.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop BMP guidance document		June 2006	
Conduct first training session		Dec 2006	Distribute BMP Guidance Document and educate all appropriate Henry County and city staff in the use of the Stormwater BMP guidance document.
Complete BMP Guidance document training for all appropriate county staff		Dec 2007	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Stormwater Complaint Database	Henry County Government	The master stormwater complaint database will be administered by the stormwater hotline operator but should be accessible by all departments involved in stormwater related activities. The stormwater hotline operator would log all complaints in the database and direct the call to the correct department. The database will include at least the following information: source of the complaint, name of the person or business, address, phone number, description of the complaint, data fields to track the investigation and resolution of the complaint. The master stormwater complaint database can be tied to the county's GIS.	2004	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2, 11, 12	This allows personnel responsible for this program to maintain a record of complaints, dumping locations, industrial discharges, and how they were resolved over an extended period of time. As the program progresses the procedures may be revised to better suit the needs of the county and public.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop a master complaint database		Dec 2004	
Record all new complaints and stormwater related information and track until a resolution is reached.	Dec 2004	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
IAW O.C.G.A. 290-5-26	Henry County Environmental Health	Rules and regulations for installation and repair of on-site sewage management systems.	June 30, 1980	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Septic Systems	2, 11, 12	This program ensures septic systems are installed and repaired in accordance with established procedures and specifications.

Measurable Milestones	Schedule		Comments
	Start	End	
Ensure that properties with onsite sewage management systems are properly reviewed for permits. Continue the process of reviewing the installation of septic systems as a part of the development review process	1980	Ongoing	
Continue to identify and respond to instances of septic system failure. Enforcement responses to failing septic systems are by complaint only. Home and business owners who don't have a complaint lodged against them can consult with Environmental Health about their failing systems and can pay for an onsite assessment for repair.	1980	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Phase I Permit GAS000100	City of Atlanta	MS4 Permit: The State of GA has issued the City of Atlanta with a permit to operate the City's Municipal Separate Storm Sewer System (MS4). Major aspects of the permit include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.	6/15/1994	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff	4, 5, 8, 11, 12, 14	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridors.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Annual Report to GA EPD	6/95	Ongoing	



Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
City of Atlanta Stormwater Management Ordinance	City of Atlanta	Ordinance to address stormwater management and nonpoint source pollution	1993	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff	4, 5, 8, 11, 12, 14	Gives inspectors a way to address nonpoint source pollution that is discharged into the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Plan review and field inspections (Inspections are performed on all construction activities within the City of Atlanta through the issuance of a building permit)	1993	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Illicit Discharge Ordinance	City of Atlanta	Ordinance to address illicit discharge and illegal dumping into the MS4 system.	1996	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit connections	4, 5, 8, 11, 12, 14	Gives inspectors a way to address nonpoint source pollution that is discharged into the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Illicit discharge investigations (inspection forms are included in annual NPDES report)	1996	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Erosion and Sedimentation Control Ordinance	City of Atlanta	Ordinance to address erosion and sedimentation occurring at constructions site that limits sediment from entering the sewer system.	1996	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform / Sedimentation	Urban runoff	4, 5, 8, 11, 12, 14	Gives inspectors a way to address sedimentation leaving a construction site that is discharged into the sewer system.

Measurable Milestones	Schedule		Comments
	Start	End	
Erosion and sedimentation investigations (inspection forms and violations are filed and recorded electronically within the Department of Watershed Management)	1996	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Riparian Buffer Protection Ordinance	City of Atlanta	Ordinance that protects 75 feet from the top of bank on a perennial and intermittent stream.	1999	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff	4, 5, 8, 11, 12, 14	Gives inspectors a way to address nonpoint source pollution that is discharged into streams, creeks, and rivers.

Measurable Milestones	Schedule		Comments
	Start	End	
Riparian buffer investigations and variances (Variance applications are filed and keep on record by the Department of Planning and Watershed Management)	1999	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Floodplain Protection Ordinance	City of Atlanta	Ordinance that protects floodplains in the City from being developed.	1985	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff	4, 5, 8, 11, 12, 14	Regulation that limits the amount of development with a parcel of property which contains a floodplain.

Measurable Milestones	Schedule		Comments
	Start	End	
Floodplain determinates and permits	1985	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Sanitary Sewer Evaluation System	City of Atlanta	Inspection program evaluates the condition of every manhole and pipe (smoke test, TV, and radar). Assessing easements for problems	1998	In progress	Regulatory through the Consent Decree

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Sanitary Sewer System	4, 5, 8, 11, 12, 14	Effective in identifying system areas in need of rehabilitation. Rehabilitation includes relining, pipe bursting, joint repair and seal, root control, and easement clearing. Large reductions of I&I have been seen.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections (Investigations are recorded by city and field reports; they are recorded by the Department of Watershed Management under guise of the consent decree)	1998	2010	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
CMOM Program	City of Atlanta	The required CMOM (Capacity Management, Operations & Maintenance) program includes the following: Collection and Transmission Systems Contingency and Emergency Response Plan; Short-Term Operation Plan; Maintenance Management System Plan; Pump Station Evaluations; Grease Management Program; Sewer Mapping Program; Safety Program; Training Program; Capacity Certification Program; and Long-Term Operation Plan.	1999	In progress	Regulatory through the Consent Decree

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff and Sanitary Sewer	4, 5, 8, 11, 12, 14	The preparation and implementation of a management, operations and maintenance program for the City's wastewater collection and transmission systems in order to help control sanitary sewer overflows (SSOs).

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections and maintenance	1999	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Grease Trap Inspection Program	City of Atlanta	Inspection of grease traps	1999	In progress	Regulatory through the Consent Decree

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	SSO due to excess grease in sanitary sewer lines.	4, 5, 8, 11, 12, 14	Inspections of grease traps should reduce the amount of grease in sanitary sewer systems reducing SSOs.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections and permits (Inspection forms and corrective action requests are filed and recorded by the Department of Watershed Management)	1999	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
BMP Program	City of Atlanta	Through development ordinance ensures that BMPs are properly selected and maintained for non point source pollution prevention.	1995	Enforced	Regulatory through NPDES permit

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff	4, 5, 8, 11, 12, 14	This program ensures that BMPs are maintained to insure that the water quality and quantity benefits continue.

Measurable Milestones	Schedule		Comments
	Start	End	
Plan review and field inspection	1995	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Elimination of McDaniel CSO	City of Atlanta	The McDaniel CSO sewer basin is to be sewer separated as part of the CSO Consent Decree.	2004	In progress	Regulatory through the Consent Decree

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Sanitary Sewer	8, 11, 12	Removal of a CSO facility

Measurable Milestones	Schedule		Comments
	Start	End	
Removal of the CSO facility	1999	2007	
Ongoing public involvement	1995	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Decatur	As a Co-permittee with DeKalb County, the City operates and enforces its own comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections to follow up with complaints are a component of this program.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	4, 9, 11, 12, 14	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports on the storm water program submitted to DeKalb County	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Phase II MS4 Municipal Stormwater Permit	Rockdale County Water Resources, Rockdale County Department of Public Services and Engineering and the City of Conyers	Requires jurisdiction to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, construction site runoff control, post construction runoff control, pollution prevention, permitting and reporting, and program implementation plans. Stream inspections will be a component of this program.	March 2003	Planning	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit discharges, Animal Waste	6, 7, 13	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Annual Report for project effectiveness.	2004	Ongoing	Notification of Intent (NOI) is currently under review by GA EPD. Annual reporting will be based on the permit signing date.
Stream inspections to identify illicit discharges within the stream corridors listed in the 303(d) list	March 2003	Ongoing	Stream inspections will be conducted by walking stream corridors to detect illicit discharges from livestock farms, hog farms, or equestrian stables within the stream corridor that are 5 acres or larger. Additionally, further inspection of animal boarding facilities will be evaluated based on business license permits and by stream corridor inspections. An educational brochure / bill insert will be handed out to property owners.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Ordinance Revisions	Rockdale County Department of Public Services and Engineering	This will include updating the comprehensive land use plan, coordinating a design competition to develop overlay districts, creating uniform development codes, and developing a GIS inventory of the county's stormwater control structures.	2002	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Pet Waste, Urban Runoff	6, 7, 13	This program should be effective in reducing stormwater pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Update Comprehensive Land Use Plan	2002	Feb. 2003	
Design competition to develop overlay districts		Summer 2003	
Create Uniform Development Code		Summer 2004	
GIS Inventory of Stormwater Control Structures	2002	Ongoing	
Keeping records of the number of citations issued for enforcement of land disturbing activities	2002	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Erosion and Sediment Control Education	Rockdale County Department of Public Services and Engineering	Rockdale County ordinance requiring attendance by the building and development community along with county staff that engage in land disturbing activities at an 8 hr E&SC course on a bi-annual basis.	2000	Ongoing	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	6, 7, 13	By educating the development and construction community along with municipal staff about the proper use of onsite erosion and sedimentation control measures this program will help reduce nonpoint source pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Erosion and Sediment Control Education	2000	Ongoing	That includes structural and non-structural BMPs

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Georgia Erosion and Sediment Control Act	GA EPD and Rockdale County Department of Public Services and Engineering	Construction site erosion control standards and 25 foot stream buffer enforcement	1975	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	6, 7, 13	By educating the development and construction community along with municipal staff about the proper use of onsite erosion and sedimentation control measures this program will help reduce nonpoint source pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Review and inspect E&S construction site control measures	Ongoing		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
IAW O.C.G.A. 30-3-1	Rockdale County Health Department	Rules and regulations for on-site sewer management	1981	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Leaking septic tanks	6, 7, 13	This program should aid in the reduction of fecal coliform and limit nonpoint source pollution from failing septic tanks.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue to identify and respond to instances of septic system failure. Enforcement responses to failing septic systems are by complaint only. Home and business owners who don't have a complaint lodged against them can consult with Environmental Health about their failing systems and can pay for an onsite assessment for repair.	1981	Ongoing	
Provide Public Education and Awareness materials that address failing septic tanks.	2003		This milestone will utilize a utility bill insert that provides citizens with information on how to proactively address maintenance issues.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Pine Lake	As a Co-permittee with DeKalb County, the City has delegated authority to DeKalb County through intermunicipal agreement to operate the County's comprehensive stormwater program on its behalf within incorporated city limits, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	10, 12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports on building permits submitted to DeKalb County	1997	Ongoing	



Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
City of Pine Lake's Lake Cut off Project	City of Pine Lake	A pilot project to monitor the effect of maintaining the Lake levels with city storm water instead of Snapfinger Creek. Water levels have been continuously monitored while the lake is cut off in order to determine the adverse impact of Snapfinger on the Lake.	Dec 24, 2002	Ongoing	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	10, 12	The goals of this program are designed to determine if either Snapfinger or the Neighborhood Storm water is more responsible for the FC and bacteria in the lake. This will allow the city and county prioritize its initiative to have a more effective impact. The result of this "pilot study" could be used to determine effective measures elsewhere.

Measurable Milestones	Schedule		Comments
	Start	End	
Cut off the flow into Pine Lake from Snapfinger Creek	Dec, 24 2002		Sampling is performed by DeKalb County. The spring of 2003 was unusually wet. A 150 year flood allowed Snapfinger Creek to overflow the earthen dam that blocked its water from entering the flume. The creek water became introduced into the flume which feeds the Lake. FC counts remained low despite the commingling of water. A recent flood allowed Snapfinger Creek to overflow the earthen dam that blocked its water from entering the flume. The creek water became introduced into the flume which feeds the Lake. The FC counts (700) of the lake became as high as it was previous years and higher than neighboring Kenilworth Lake Resampling showed that the levels had dropped to acceptable levels (200)
The lake maintained the lowest FC levels in recent years.	Dec, 24 2002	May 30, 2003	
150 year flood allowed Snapfinger Creek to overflow and it's water become introduced into the flume which feeds the Lake	May 30, 2003	June 30, 2003	
A series of floods allowed Snapfinger Creek to once again become introduced into the flume which feeds the Lake	June 30, 2003	July 3	
A concentrated effort was made by the city and volunteers to collect goose droppings from along the beach area and a roosting area located near an earthen swale that is occasionally breached during storms	July 3, 2003	July 7, 2003	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
City of Pine Lake's Storm water Management Ordinance: P.L. Ord. 04-03	City of Pine Lake	Requires builders to incorporate water retaining features and impermeable materials into their building design plans in order to offset the storm water production caused by (the building) displacement.	June 9, 2003	Enforced	Regulatory-via building's Certificate of Occupancy (Ord. 04-03)

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	10, 12	The goals of this program are designed to prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
The city has developed a list of items to be met by each developer. The builder must maintain contact with the city's administration through the Community Development Committee and Architectural Review Board and will recommend remedies to builder and Administration. C/O will be withheld until remedies are made.	June 9, 2003	Ongoing	The ordinance under its current form offers ten (10) potential remedies to attain water retention credits. Builders have already submitted building plans and discovered sufficient/appropriate remedies in fewer than 3 days. Some of those remedies included: relocating the building on the lot to preserve trees, using permeable materials, and the development of swales and water features.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
City of Pine Lake's Livable Communities Initiative proposal	City of Pine Lake	Proposal to collect and pre-treat surface water runoff to use as alternate water source for the lake.	March 30, 2003	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	10, 12	The goals of this program are designed to improve the water quality and biotic integrity of the lake directly, of the watershed secondarily (by dilution), and to recharge the water table directly.

Measurable Milestones	Schedule		Comments
	Start	End	
1. Completion of Plan 2. Annexation of adjacent property 3. development attractive storm water reservoir 4. collection of surface runoff from businesses	Nov 3, 2003	Ongoing	The reservoir will include a series of permeable and impermeable barriers to allow for some recharging of the water table. The reservoir will include a solar operated pump to aerate and a spill way zone for proper management of runoff. The reservoir will include a cyclone separator and require semiannual draining for sediment removal.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Clarkston	As a Co-permittee with DeKalb County, the City has delegated authority to DeKalb County through intermunicipal agreement to operate the County's comprehensive stormwater program on its behalf within incorporated city limits, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	10, 12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports on building permits submitted to DeKalb County	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Stone Mountain	As a Co-permittee with DeKalb County, the City has delegated authority to DeKalb County through intermunicipal agreement to operate the County's comprehensive stormwater program on its behalf within incorporated city limits, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	10, 12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports on building permits submitted to DeKalb County	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Lithonia	As a Co-permittee with DeKalb County, the City has delegated authority to DeKalb County through intermunicipal agreement to operate the County's comprehensive stormwater program on its behalf within incorporated city limits, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	12	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports on building permits submitted to DeKalb County	1997	Ongoing	

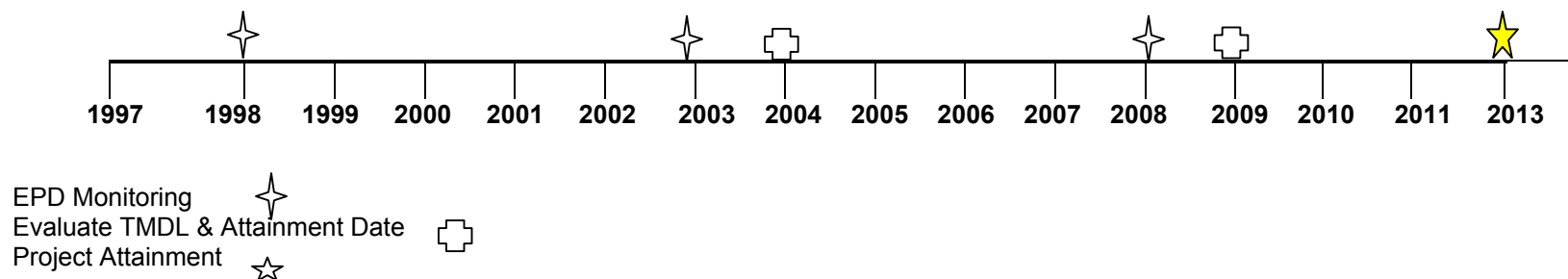
## POTENTIAL FUNDING SOURCES

The identification and discussion of dedicated funding is important in determining the economic feasibility of the above-mentioned management measures.

Funding Source	Responsible Authority	Status	Anticipated Funding Amount	Impacted Waterbodies*
Water & Sewer Enterprise Funds	DeKalb County Board of Commissioners	On-going	To Be Determined / Annual Budget	1, 2, 3, 4, 5, 9, 10, 11, 12, 14
Storm Water Utility Fee	DeKalb County Board of Commissioners	Proposed	To Be Determined	1, 2, 3, 4, 5, 9, 10, 11, 12, 14
Greenspace Program	DeKalb County Board of Commissioners	On-going	To Be Determined / Annual Budget	1, 2, 3, 4, 5, 9, 10, 11, 12, 14
General Fund	DeKalb County Board of Commissioners	On-going	To Be Determined / Annual Budget	1, 2, 3, 4, 5, 9, 10, 11, 12, 14
General Revenues	Henry County	Ongoing	To Be Determined	2, 11, 12
General Revenues	Clayton County	Ongoing	To be determined	2, 11, 12
Water and Sewer Rates	Clayton County Water Authority	Ongoing	To be determined	2, 11, 12
City of Atlanta General Fund	City of Atlanta	Ongoing	To be determined	4, 5, 8, 11, 12, 14
City of Atlanta Stormwater Utility	City of Atlanta	Proposed for 2004	To be determined	4, 5, 8, 11, 12, 14
Rockdale County (rate funded)	Rockdale Water Resources	Ongoing	TO BE DETERMINED	6, 7, 13
Rockdale County (general fund)	Rockdale Co. Public Services and Engineering	Ongoing	TO BE DETERMINED	6, 7, 13
Rockdale County (bonds / grants)	Rockdale Water Resources	Planned	TO BE DETERMINED	6, 7, 13
Stormwater Utility Fee	Rockdale Water Resources / PS&E	Under Discussion	TO BE DETERMINED	6, 7, 13

## PROJECTED ATTAINMENT DATE

The projected date to attain and maintain water quality standards in this watershed is 10 years from acceptance of the TMDL Implementation Plan by EPD.



## MONITORING PLAN

The purpose of this monitoring plan is to determine the effectiveness of the target TMDL and the management measures being implemented to meet water quality standards. List of previous, current or planned/proposed sampling activities or other surveys. Monitoring data that placed stream on 303(d) list will be provided if requested.

Name Of Regulation / Ordinance Or Management Measure	Organization	Impacted Waterbodies*	Pollutants	Purpose/Description	Time Frame		Status (Previous, Current, Proposed)
					Start	End	
TMDL Evaluation and Monitoring for 305(b) and 303(d) lists	Georgia EPD	1-14	FC	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia	2004	2005	Proposed
Long-term Water Quality Monitoring Program	City of Atlanta / USGS	4, 5, 8, 11, 12, 14	FC	The purpose is to collect data needed to assess stream improvements and any pollution reduction that can be attributed to the Clean Water Atlanta (CWA) program.	2002	Ongoing	Current
NPDES MS4 Program	City of Atlanta	4, 5, 8, 11, 12, 14	FC	NPDES MS4 Program Dry weather screening	1995	Ongoing	Current
NPDES MS4 Program	City of Atlanta	4, 5, 8, 11, 12, 14	FC	NPDES MS4 Program Fecal Coliform Monitoring	1995	Ongoing	Current
Industrial Pretreatment Program	City of Atlanta	4, 5, 8, 11, 12, 14	FC	Industrial Pretreatment Program	1995	Ongoing	Current
Septic Tank Investigation Program	DeKalb County Water & Sewer Division	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	FC	Septic Tank Investigation Program. A pilot test of this program was conducted during the 2001-2003 preliminary implementation phase of the watershed improvement plan (WIP). The full-scale program is planned for the rollout of the final WIP implementation in 2004.	2002	Ongoing	Previous / proposed
Environmental Monitoring Program	DeKalb County Water & Sewer Division	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	FC	Environmental Monitoring Program for watershed management plan implementation. Other parameters sampled include: temp, TRC, DO, pH, flow, turbidity, BOD, NH3, TKN, TSS, NO2/3, P, Hardness, Cd, Cr, Cu, Pb, Ni, Ag, Zn.	2001	Ongoing	Current

Name Of Regulation / Ordinance Or Management Measure	Organization	Impacted Waterbodies*	Pollutants	Purpose/Description	Time Frame		Status (Previous, Current, Proposed)
					Start	End	
NPDES MS4 Monitoring Program	DeKalb County Water & Sewer Division	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	FC	NPDES MS4 Monitoring Program, including FC monitoring, water quality trend detection, wet weather monitoring, and dry weather screening for illicit connections. Other parameters sampled include: COD, TSS, TDS, N, NH3, TKN, P, hardness, Cd, Cu, Pb, Zn.	1992	Ongoing	Current
Water Quality Monitoring Program for DeKalb County streams	DeKalb County Water & Sewer Division	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	FC	Water Quality Monitoring Program for DeKalb County streams. Other parameters sampled include: pH, DO, Temp, BOD, COD, P, NH3, NO2-NO3, TC, conductivity Cd, Cr, Cu, Pb, Ni, Zn.	1970	Ongoing	Current
Stream Surveys	DeKalb County Water & Sewer Division	1, 2, 3, 4, 5, 9, 10, 11, 12, 14	FC	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.	2003	Ongoing	Proposed
Watershed Assessment Program	Rockdale Water Resources	6, 7, 13	FC	Watershed Assessment Program	Sept. 2002	Ongoing	Current
NPDES Phase II MS4 Program	Rockdale County Water Resources and Rockdale County Department of Public Services and Engineering	6, 7, 13	FC	NPDES Phase II MS4 Program (2003)	March 2003	Ongoing	Proposed
NPDES MS4 Program	Clayton County	2, 11, 12	FC	NPDES MS4 Program – Fecal coliform monitoring and dry weather screening	09/96	Ongoing	
Watershed Management Sampling Program	CCWA	2, 11, 12	FC	Watershed Management Sampling Program – samples fecal coliform and other parameters of interest	08/02	Ongoing	Current

## CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE

The following set of criteria will be used to determine whether any substantial progress is being made towards reducing pollutants in impaired waterbodies and attaining water quality standards. Discussion on each criteria is recorded in the space provided. Additional relevant criteria are presented in comments.

- Percent of concentration or load change (monitoring program) \_\_\_\_\_

\_\_\_\_\_  
*If monitoring results show that it is unlikely that the TMDL will be adequate to meet water quality standards, revision of the TMDL may be necessary.*

- Categorical change in classification of the stream (delisting the stream is the goal) \_\_\_\_\_

\_\_\_\_\_  
- Regulatory controls or activities installed (ordinances, laws) \_\_\_\_\_

\_\_\_\_\_  
- Best management practices installed (agricultural, forestry, urban) \_\_\_\_\_

## COMMENTS

Geometric Mean fecal coliform sampling was conducted by CCWA for Conley Creek at East Conley Road near the county line. The geometric means indicate that fecal coliform levels are improving in the Clayton County portion of Conley Creek. CCWA submitted this data, which was collected according to the sampling plan approved by EPD January 29, 2003, for review for 303(d) purposes in June 2003. Clayton County plans to continue the programs within the watershed, but does not feel that there are significant fecal coliform problems at this time.

Watershed: South River  
HUC10: #0307010301

Prepared By: Matthew C. Harper  
Agency: Atlanta Regional Commission  
Address: 40 Courtland Street, NE  
City: Atlanta ST: GA ZIP: 30303  
E-mail: mharper@atlantaregional.com  
Date Submitted to EPD: July 31, 2003

The preparation of this report was financed in part through a grant from the U.S. Environmental Protection Agency under the provisions of Section 106 of the Federal Water Pollution Control Act, as amended.

**Environmental Protection Division of the Department of Natural Resources,  
State of Georgia.**

**TOGETHER WE CAN MAKE A DIFFERENCE!**